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APPLICATION NO.	FIL	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/770,540 01/26/2001		1/26/2001	Klaus F. Schuegaraf	MICRON. 8DV2C1	6787
20995	7590	03/28/2003	\$		
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2040 MAIN S FOURTEEN	TH FLOO	R	SCHILLINGER, LAURA M		
IRVINE, CA	IRVINE, CA 92614		ART UNIT	PAPER NUMBER	
				2813	12
				DATE MAILED: 03/28/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

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·	Application No.	Applicant(s)					
	09/770,540	SCHUEGARAF, KLAUS F.					
Office Action Summary	Examiner	Art Unit					
	Laura M Schillinger	2813					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status							
1) Responsive to communication(s) filed on 26 L	December 2002 .						
	is action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims							
4)⊠ Claim(s) <u>1-12 and 20-24</u> is/are pending in the application.							
4a) Of the above claim(s) <u>1-5</u> is/are withdrawn from consideration.							
5) Claim(s) <u>6-12</u> is/are allowed.							
6)⊠ Claim(s) <u>12-24</u> is/are rejected.							
· — · · · · · · · · · · · · · · · · · ·	7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.						
Application Papers	r						
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) The proposed drawing correction filed on							
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) ☐ All b) ☐ Some * c) ☐ None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment(s)							
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal	y (PTO-413) Paper No(s) Patent Application (PTO-152)					

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DETAILED ACTION

This Office Action is in response to Amendment B and the terminal disclaimed filmed 12/16/02 in Paper No.s 11 and 12.

Terminal Disclaimer

The terminal disclaimer filed on December 26, 2002 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US Patent 6,197,634 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 20-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Sandhu ('199).

In reference to claim 20, Sandhu teaches a method comprising:

Forming a metal electrode with a textured surface (Fig.11 (68)));

Covering the surface with a dielectric (Fig.11 (69));

Covering the dielectric with a second electrode (Fig.11 (70)).

In reference to claim 22 Sandhu teaches further including seeding (inhomogeneities) and annealing (anodization includes annealing) (Col.5, lines: 45-55).

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In reference to claim 23, Sandhu teaches wherein the metal comprises hemispherical grain Si morphology (Col.2-3, lines: 65-6).

In reference to claim 24, Sandhu teaches wherein the metal electrode comprises forming a rugged Si layer and converting it to metal (Col.6, lines: 35-40).

Allowable Subject Matter

Applicant's claims 6-12 can no longer be rejected under the doctrine of double patenting as a result of Applicant's terminal disclaimer (See Paper No.12, dated 1/12/03). Further, Applicant has argued persuasively that prior art fails to teach applicant's recited step of "replacing silicon in the silicon electrode structure with metal" as disclosed by the Applicant (See Paper No.11, dated 1/16/03 on page 2, paragraph 3). Consequently, Applicant has overcome the Examiner's rejections and claims 6-12 are allowable.

Response to Arguments

Applicant's arguments with respect to claims 20-24 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

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Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura M Schillinger whose telephone number is (703) 308-6425. The examiner can normally be reached on M-T, R-F 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl W Whitehead, Jr. can be reached on (703) 308-4940. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

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LMS March 21, 2003

SUPERVISORY PRIMARY EXAMINER TECHNOLOGY CENTER 2800